

**SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION – PLEASANTON,
TEXAS**

SEEDING REPORT – June 2, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

Mostly cloudy this morning with scattered showers and thunderstorms southwest of San Antonio. These storms are slowly weakening as they move east, with another round of storms behind them crossing the Rio Grande. Scattered fog is also present across the south TX region, and looks to remain through the early to mid morning hours. A strong trough is stalled over the southwest US, with moisture from the Gulf moving into TX. Isolated to scattered showers and thunderstorms are possible throughout the day today, with a better chance over hill country. Localized heavy rain is possible. High temperatures in the upper 80's, lower 90's with cooler temps over hill country. Mostly cloudy overnight with fog possible in the later overnight hours. Low temps in the lower to mid 70's.

LIFTING MECHANISM:

Daytime heating

THERMODYNAMIC INDICES (12Z KDRT)

KCRP Freezing Level (m)	4587.15	KDRT Freezing Level (m)	4331.76
Precipitable Water (Inches)	1.20	CAPE (J/Kg)	41.75
LCL (m)	876.65	CINH (J/Kg)	45982.41
CCL (m)	3664.25	LI (degrees C)	0.52
Cloud Base (m)	1139	PB	-6.7
Warm Cloud Depth (m)	3192.76	Cloud Base Temp (°C)	26
CRP ICA	-7.3	DRT ICA	-7.9

DISCUSSION: Isolated showers began forming northwest of Pleasanton just before 22Z from daytime heating. Showers developed just enough to have pilot investigate. Storm kept developing as it slowly moved to the north on the edge of Medina/Atascosa counties. Pilot began burning flares just before 22:30Z, as storm was still moving slowly north. Storm split just after 22:45 and began to dissipate after 22:50Z. Flare rack had another malfunction today. Instead of burning only 2 flare per time, it burned 3 per time.

Warnings: None.

Seeded cell ID's: 472

Flight Information:

Time (UTC)	Plane	Flare Location	County
22:10	57AA	In air	
22:28	57AA	286° @ 19 NM	Atascosa
22:31	57AA	288 @ 20	Medina
22:32	57AA	287 @ 19	Atascosa

22:33	57AA	284 @ 19	Frio
22:34	57AA	288 @ 20	Medina
22:36	57AA	286 @ 20	Medina
22:38	57AA	289 @ 19	Atascosa
22:39	57AA	288 @ 19	Medina
22:42	57AA	291 @ 18	Atascosa
22:43	57AA	292 @ 19	Atascosa
22:46	57AA	289 @ 19	Medina
22:47	57AA	291 @ 20	Medina
22:48	57AA	288 @ 19	Medina
22:50	57AA	291 @ 21	Medina
22:51	57AA	291 @ 20	Medina
22:52	57AA	291 @ 21	Medina
23:20	57AA	Landed	

Seeding operations were conducted over Atascosa (15 + 1H), Frio (3 + 0H), and Medina (27 + 1H) counties. 45 flares plus 2 hygroscopic flares were burned within 1 cloud. This is the 1st day for seeding in June and the 7th day for seeding during the season.